

CLAIMS

What Is Claimed Is:

Sub
of:

1. A method for grounding a dispenser to a local ground comprising the steps

5 of:
providing an internal low impedance path from positions internal to
and on the surface of the dispenser where static electrical charges tend to
accumulate;

connecting said low impedance path to a metal wall contact spring
disposed to contact a ground surface when said dispenser is mounted; and

10 discharging said static electrical charges to a local ground through the
grounding interface.

2. The method as in claim 1 further comprising the steps of:

connecting a nib roller shaft of a paper towel dispenser to a grounding
wire.

3. The method as in claim 2 further comprising the step of:

utilizing a spring contact to connect said nib roller shaft to said
grounding wire, wherein said spring contact connects to said nib roller shaft.

4. An apparatus for grounding a dispenser comprising:
a dispenser comprising;

a low impedance grounding wire;

a metal contact spring grounding clip;

5 a spring contact disposed to connect to a location of static electricity
accumulation in the dispenser;

said low impedance ground wire being disposed to connect to said
spring contact and said metal contact spring grounding clip;

10 said metal contact spring grounding clip being disposed to contact a
wall;

said metal contact spring grounding clip being disposed to connect
electrically to a local ground.

5. The apparatus as in claim 4 further comprising:

said grounding wire being disposed to connect to a nib roller shaft of a paper tower dispenser.

6. The apparatus as in claim 4 further comprising:

said spring contact being disposed to connect to a nib roller compression spring, wherein said nib roller compression spring is disposed to contact a metal nib roller.

7. A dispenser for a paper web roll, comprising:

a first support adapted to hold a first roll of a paper;

a second support adapted to hold a second roll of a paper;

a third support rigidly connected to first and second support wherein said third support is rotatable about an axis;

a transfer bar wherein paper from said second roll can be fed with paper from the first roll to dispense together;

a detector adapted to trigger the dispensing of paper when a user's hand is positioned within the field of the sensor;

a grounding apparatus comprising:

a low impedance grounding wire;

a metal wall-contact spring grounding clip;

a spring contact disposed to connect to a location in a dispenser of static electricity accumulation;

said low impedance ground wire disposed to connect to said spring contact and said metal wall contact spring grounding clip;

said metal wall contact spring grounding clip disposed to contact by spring pressure to a wall;

said metal wall contact spring grounding clip disposed to connect electrically to a local ground.

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